

**I CLAIM:**

1. A heat exchange unit, suitable for performing heat exchange between first and second fluids at different  
5 temperatures, comprising a exchange apparatus provided with a tube bundle, crossed internally by said first fluid, containing means of said second fluid, suitable for housing said exchange apparatus in such a way that at least one portion of said tube bundle is externally  
10 surrounded by said second fluid, wherein said exchange apparatus comprises connection means structurally separate from said containing means and to which one end of said tube bundle is operatively connected.
2. The heat exchange unit according to claim 1, wherein  
15 said connection means extend in a direction that is substantially parallel to said tube bundle.
3. The heat exchange unit according to claim 1, wherein said connection means extend in a direction that is substantially perpendicular to said tube bundle.
- 20 4. The heat exchange unit according to any of the previous claims, wherein said tube bundle comprises at least one inlet opening of the first fluid into the tube bundle and at least one outlet opening of the first fluid from the tube bundle, said inlet opening and said outlet  
25 opening being arranged in correspondence with said

connection means.

5. The heat exchange unit according to any of the previous claims, wherein said exchange apparatus comprises shaking means of said tube bundle, said shaking means being arranged at said connection means.

6. The heat exchange unit according to any of the previous claims, wherein said heat exchange apparatus comprises a collection tank arranged at the end of the tube bundle operatively connected to the connection means.

7. The heat exchange unit according to claim 6, wherein said collection tank comprises a box-shaped structure that is fluid tight relative to said second fluid.

8. The heat exchange unit according to claims 6 or 7, wherein said collection tank encloses said connection means.

9. The heat exchange unit according to any of the previous claims, wherein said heat exchange apparatus rests on said containing means.

10. The heat exchange unit according to any of the previous claims, comprising separating means, interposed between said connection means of the tube bundle and said containing means suited to guaranteeing a fluid seal between said connection means and said containing means.

11. The heat exchange unit according to claim 10,

wherein said separating means comprise a separating plate at least partially crossed by said tube bundle.

12. The heat exchange unit according to claim 11, wherein said separation plate is solidly fixed to said  
5 collection tank.

13. The heat exchange unit according to claims 10, 11 or 12, wherein said separating means comprise a separation frame.

14. The heat exchange unit according to claim 13,  
10 wherein said separation frame is integrally fixed to said collection tank.

15. The heat exchange unit according to claim 13 or 14, wherein said separating frame is adapted to being connected to a cooling circuit.

15 16. The heat exchange unit according to any of the previous claims, wherein said exchange apparatus comprises hooking means, adapted to allowing the handling of said exchange apparatus, said hooking means being arranged at the end of the tube bundle operatively  
20 connected to the connection means.

17. The heat exchange unit according to claim 16, wherein said hooking means comprise at least one eyebolt.

18. The heat exchange unit according to any of the previous claims, wherein said tube bundle extends as a  
25 coil along a prevalent direction.

19. The heat exchange unit according to claim 18,  
wherein in relation to a plane perpendicular to said  
prevalent direction, said tube bundle extends at least in  
part along a broken line which forms a series of  
5 alternate protruding and receding angles.

20. A steam production plant comprising a heat exchange  
unit according to any of the previous claims.